

Message

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**From:** Dolislager, Fredrick G. [dolislagerf1@ornl.gov]  
**Sent:** 12/16/2020 9:16:32 PM  
**To:** Walker, Stuart [Walker.Stuart@epa.gov]  
**CC:** Manning, Karessa [manningkl@ornl.gov]  
**Subject:** RE: HPNS Post processing calculator results  
**Attachments:** common nucs composite worker soil SE and Parent Only and peak PRG.xlsx

Stuart,

**Ex. 5 Deliberative Process (DP)**

Regardless, attached is a file with composite worker soil runs for all three PRG methods. I added a column for Caleigh to weigh in although I don't think it's necessary. I think all the results make sense.

fred d.

---

**From:** Walker, Stuart <Walker.Stuart@epa.gov>  
**Sent:** Wednesday, December 16, 2020 12:59 PM  
**To:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Cc:** Manning, Karessa <manningkl@ornl.gov>  
**Subject:** [EXTERNAL] RE: HPNS Post processing calculator results

# Ex. 5 Deliberative Process (DP)

Stuart Walker  
Superfund Remedial program National Radiation Expert  
Science Policy Branch  
Assessment and Remediation Division  
Office of Superfund Remediation and Technology Innovation  
W (703) 603-8748  
C (202) 262-9986

---

**From:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Sent:** Wednesday, December 16, 2020 12:31 PM  
**To:** Walker, Stuart <Walker.Stuart@epa.gov>  
**Cc:** Manning, Karessa <manningkl@ornl.gov>  
**Subject:** RE: HPNS Post processing calculator results

Stuart,

**Ex. 5 Deliberative Process (DP)**

fred d.

---

**From:** Walker, Stuart <Walker.Stuart@epa.gov>  
**Sent:** Friday, October 23, 2020 11:29 AM  
**To:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Cc:** Manning, Karessa <manningkl@ornl.gov>  
**Subject:** [EXTERNAL] RE: HPNS

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**From:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Sent:** Friday, October 23, 2020 10:34 AM  
**To:** Walker, Stuart <Walker.Stuart@epa.gov>  
**Cc:** Manning, Karessa <manningkl@ornl.gov>  
**Subject:** RE: HPNS

## Ex. 5 Deliberative Process (DP)

fred d.

---

**From:** Walker, Stuart <Walker.Stuart@epa.gov>  
**Sent:** Friday, October 23, 2020 9:47 AM  
**To:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Cc:** Manning, Karessa <manningkl@ornl.gov>  
**Subject:** [EXTERNAL] RE: HPNS

I think the only problem is all the User Guide text, when we mention a calculator it is the calculator for that User Guide.

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**From:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Sent:** Friday, October 23, 2020 6:54 AM  
**To:** Walker, Stuart <Walker.Stuart@epa.gov>

**Cc:** Manning, Karessa <manningkl@ornl.gov>

**Subject:** Re: HPNS

## Ex. 5 Deliberative Process (DP)

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**From:** Walker, Stuart <Walker.Stuart@epa.gov>

**Sent:** Thursday, October 22, 2020 10:50:41 PM

**To:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>

**Cc:** Manning, Karessa <manningkl@ornl.gov>

**Subject:** [EXTERNAL] RE: HPNS

## Ex. 5 Deliberative Process (DP)

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---

**From:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>

**Sent:** Thursday, October 22, 2020 3:45 PM

**To:** Walker, Stuart <Walker.Stuart@epa.gov>

**Cc:** Manning, Karessa <manningkl@ornl.gov>

**Subject:** RE: HPNS

Stuart,

Karessa is done looking at it. What do you think?

fred d.

---

**From:** Dolislager, Fredrick G.

**Sent:** Monday, October 19, 2020 2:09 PM

**To:** Walker, Stuart <Walker.Stuart@epa.gov>

**Cc:** Manning, Karessa <manningkl@ornl.gov>

**Subject:** RE: HPNS

I made a spreadsheet and Karessa is looking at it first.

fred d.

---

**From:** Walker, Stuart <Walker.Stuart@epa.gov>

**Sent:** Sunday, October 18, 2020 11:22 PM

**To:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>

**Cc:** Manning, Karessa <manningkl@ornl.gov>

**Subject:** [EXTERNAL] RE: HPNS

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---

**From:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>

**Sent:** Sunday, October 18, 2020 12:40 PM

**To:** Walker, Stuart <Walker.Stuart@epa.gov>

**Cc:** Manning, Karessa <manningkl@ornl.gov>

**Subject:** Re: HPNS

## Ex. 5 Deliberative Process (DP)

Get [Outlook for Android](#)

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**From:** Walker, Stuart <Walker.Stuart@epa.gov>

**Sent:** Friday, October 16, 2020, 8:03 PM

**To:** Dolislager, Fredrick G.

**Cc:** Manning, Karessa

**Subject:** [EXTERNAL] RE: HPNS

This looks better.

Ex. 5 Deliberative Process (DP)

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**From:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>

**Sent:** Friday, October 16, 2020 12:41 PM

**To:** Walker, Stuart <Walker.Stuart@epa.gov>

**Cc:** Manning, Karessa <manningkl@ornl.gov>

**Subject:** RE: HPNS

## Ex. 5 Deliberative Process (DP)

fred d.

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**From:** Walker, Stuart <Walker.Stuart@epa.gov>  
**Sent:** Friday, October 16, 2020 11:29 AM  
**To:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Cc:** Manning, Karessa <manningkl@ornl.gov>  
**Subject:** [EXTERNAL] RE: HPNS

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**From:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Sent:** Thursday, October 15, 2020 1:10 PM  
**To:** Walker, Stuart <Walker.Stuart@epa.gov>  
**Cc:** Manning, Karessa <manningkl@ornl.gov>  
**Subject:** RE: HPNS

Here is my attempt at a new user guide section about post processing results. Please comment.

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Oak Ridge National Laboratory  
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Oak Ridge, TN 37831  
(865) 576-5451 w  
(865) 241-5523 f

Ex. 6 Personal Privacy (PP) C

[fdolislager@utk.edu](mailto:fdolislager@utk.edu)  
<http://volweb.utk.edu/~dolislag/>

---

**From:** Walker, Stuart <Walker.Stuart@epa.gov>  
**Sent:** Thursday, October 15, 2020 12:13 PM  
**To:** Dolislager, Fredrick G. <dolislagerf1@ornl.gov>  
**Subject:** [EXTERNAL] FW: HPNS

Stuart Walker

Superfund Remedial program National Radiation Expert  
Science Policy Branch  
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---

**From:** Walker, Stuart  
**Sent:** Friday, July 24, 2020 11:13 AM  
**To:** Praskins, Wayne <[Praskins.Wayne@epa.gov](mailto:Praskins.Wayne@epa.gov)>  
**Subject:** RE: HPNS

Hello Wayne,

## Ex. 5 Deliberative Process (DP)

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Science Policy Branch  
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**From:** Praskins, Wayne <[Praskins.Wayne@epa.gov](mailto:Praskins.Wayne@epa.gov)>  
**Sent:** Tuesday, July 21, 2020 7:38 PM  
**To:** Walker, Stuart <[Walker.Stuart@epa.gov](mailto:Walker.Stuart@epa.gov)>  
**Subject:** RE: HPNS

FYI - I pulled the ORNL values for the different receptor scenarios from the 4 spreadsheets. (The last column below provides the minimum of the 4 values.) The corner scenario appears to be the most stringent for all radionuclides:

	ORNL Ext. Exposure PRGs- floor + 6' wall	ORNL Ext. Exposure PRGs- floor + 6' wall	ORNL Ext. Exposure PRGs- floor + 6' wall	ORNL Ext. Exposure PRGs- floor + 6' wall	ORNL Ext. Exposure PRGs- floor + 6' wall
	<i>center, pCi/cm2</i>	<i>corner, pCi/cm2</i>	<i>average, pCi/cm2</i>	<i>center wall, pCi/cm2</i>	<i>minimum, pCi/cm2</i>
<b>Am-241</b>	12.4	7	8.2	8.4	7.2
<b>Cs-137</b>	21.8	13.1	14.7	15.1	13.1
<b>Co-60</b>	5.2	3.2	3.5	3.6	3.2
<b>Eu-152</b>	9.3	5.8	6.5	6.7	5.8
<b>Eu-154</b>	8.9	5.5	6.2	6.3	5.5
<b>H-3</b>					
<b>Pu-239</b>	10.9	6.4	7.2	7.4	6.4
<b>Ra-226</b>	6.3	3.9	4.3	4.4	3.9

<b>Sr-90</b>	251.1	142.7	160.4	166.1	142.7
<b>Th-232</b>	4.7	2.8	3.2	3.2	2.8
<b>U-235</b>	10.9	2.8	7.2	7.4	2.8

**Wayne Praskins | Superfund Project Manager**  
**U.S. Environmental Protection Agency Region 9**  
 75 Hawthorne St. (SFD-7-3)  
 San Francisco, CA 94105  
 415-972-3181

**From:** Praskins, Wayne  
**Sent:** Tuesday, July 21, 2020 2:11 PM  
**To:** Walker, Stuart <[Walker.Stuart@epa.gov](mailto:Walker.Stuart@epa.gov)>  
**Subject:** HPNS

Stuart –

## Ex. 5 Deliberative Process (DP)

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